

10/516663

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 30 NOV 2004

International Application No.

PCT/EP 03/05725

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23C19/11 A23C19/086 A23L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23C A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, FSTA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| Y          | EP 0 867 124 A (GIST BROCADES BV)<br>30 September 1998 (1998-09-30)<br>page 2; claims 1,5,11,13,16<br>page 3, line 27-29<br>---               | 1-8,10                |
| Y          | EP 1 068 809 A (PROTEIN TECH INT)<br>17 January 2001 (2001-01-17)<br>page 4, line 45 -page 6, line 7<br>---                                   | 1-8                   |
| X          | US 3 594 151 A (CURRY TED L ET AL)<br>20 July 1971 (1971-07-20)<br>column 2, line 8 - line 37; claim 1<br>column 4, line 65 - line 72<br>---  | 9<br>10               |
| X          | US 5 446 014 A (SCHUPPISER JEAN-LUC ET AL)<br>29 August 1995 (1995-08-29)<br>column 2, line 17<br>column 3, line 15 -column 4, line 34<br>--- | 9                     |
|            | ---<br>-/-  |                       |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

1 October 2003

Date of mailing of the international search report

14/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Desmedt, G

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05725

## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | GB 2 235 616 A (GRACE W R & CO)<br>13 March 1991 (1991-03-13)<br>page 3, paragraph 4 -page 4, paragraph 3<br>-----  | 9                     |
| E          | WO 03 053172 A (STARK JACOBUS ;DSM NV<br>(NL); RIJN VAN FERDINAND THEODORUS J (NL);<br>W) 3 July 2003 (2003-07-03)<br>page 5; examples 1B,2B<br>-----                                     | 1-8                   |
| A          | EP 1 174 039 A (KRAFT FOODS HOLDINGS INC)<br>23 January 2002 (2002-01-23)<br>column 7; claims 1,9; figure 1<br>-----  | 1,3                   |
| A          | EP 0 678 241 A (GIST BROCADES BV)<br>25 October 1995 (1995-10-25)<br>cited in the application<br>column 1, line 15 -column 26; claims<br>1,5,7,10<br>column 6, line 24 - line 29<br>----- | 1,2,5                 |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05725

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0867124                                | A | 30-09-1998          | AU 729289 B2               | 01-02-2001          |
|   |   |                     | AU 5844498 A               | 24-09-1998          |
|   |   |                     | CA 2232157 A1              | 18-09-1998          |
|   |   |                     | EP 0867124 A1              | 30-09-1998          |
|   |   |                     | HU 9800596 A2              | 28-12-1998          |
|   |   |                     | PL 325408 A1               | 28-09-1998          |
|   |   |                     | TR 9800491 A1              | 21-10-1998          |
|   |   |                     | US 5962510 A               | 05-10-1999          |
| EP 1068809                                | A | 17-01-2001          | US 6291436 B1              | 18-09-2001          |
|   |   |                     | AU 4721700 A               | 18-01-2001          |
|   |   |                     | BR 0000195 A               | 21-08-2001          |
|   |   |                     | CA 2291382 A1              | 16-01-2001          |
|   |   |                     | CN 1280774 A               | 24-01-2001          |
|   |   |                     | EP 1068809 A2              | 17-01-2001          |
|   |   |                     | JP 2001039805 A            | 13-02-2001          |
|   |   |                     | US 2003087003 A1           | 08-05-2003          |
| US 3594151                                | A | 20-07-1971          | NONE                       |                     |
| US 5446014                                | A | 29-08-1995          | FR 2611531 A1              | 09-09-1988          |
|   |   |                     | AT 88738 T                 | 15-05-1993          |
|   |   |                     | BR 8800718 A               | 04-10-1988          |
|   |   |                     | CA 1301058 C               | 19-05-1992          |
|   |   |                     | CN 88100754 A              | 07-09-1988          |
|   |   |                     | DE 3880532 D1              | 03-06-1993          |
|   |   |                     | DE 3880532 T2              | 04-11-1993          |
|   |   |                     | EP 0281460 A2              | 07-09-1988          |
|   |   |                     | ES 2056944 T3              | 16-10-1994          |
|   |   |                     | JP 1937419 C               | 09-06-1995          |
|   |   |                     | JP 6068042 B               | 31-08-1994          |
|   |   |                     | JP 63289040 A              | 25-11-1988          |
| GB 2235616                                | A | 13-03-1991          | AU 636373 B2               | 29-04-1993          |
|   |   |                     | AU 5983090 A               | 31-01-1991          |
|   |   |                     | CA 2011184 A1              | 28-01-1991          |
|   |   |                     | JP 3087137 A               | 11-04-1991          |
|   |   |                     | NZ 234228 A                | 26-05-1993          |
|   |   |                     | ZA 9005532 A               | 29-05-1991          |
| WO 03053172                               | A | 03-07-2003          | WO 03053172 A1             | 03-07-2003          |
| EP 1174039                                | A | 23-01-2002          | US 6426102 B1              | 30-07-2002          |
|   |   |                     | CA 2353174 A1              | 18-01-2002          |
|   |   |                     | EP 1174039 A2              | 23-01-2002          |
| EP 0678241                                | A | 25-10-1995          | EP 0678241 A1              | 25-10-1995          |
|   |   |                     | AT 188595 T                | 15-01-2000          |
|   |   |                     | AT 208133 T                | 15-11-2001          |
|   |   |                     | AU 688856 B2               | 19-03-1998          |
|   |   |                     | AU 1635595 A               | 19-10-1995          |
|   |   |                     | BR 9501517 A               | 14-11-1995          |
|   |   |                     | CA 2146793 A1              | 12-10-1995          |
|   |   |                     | DE 69514403 D1             | 07-11-2001          |
|   |   |                     | DK 678241 T3               | 25-04-2000          |
|   |   |                     | ES 2143586 T3              | 16-05-2000          |
|   |   |                     | JP 7285801 A               | 31-10-1995          |
|   |   |                     | NZ 270906 A                | 26-04-1996          |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05725

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| EP 0678241                                | A                   | PT 678241 T                | 28-04-2000          |
|   |                     | US 5552151 A               | 03-09-1996          |
|   |                     | ZA 9502979 A               | 21-12-1995          |
| <hr/>                                     |                     |                            |                     |